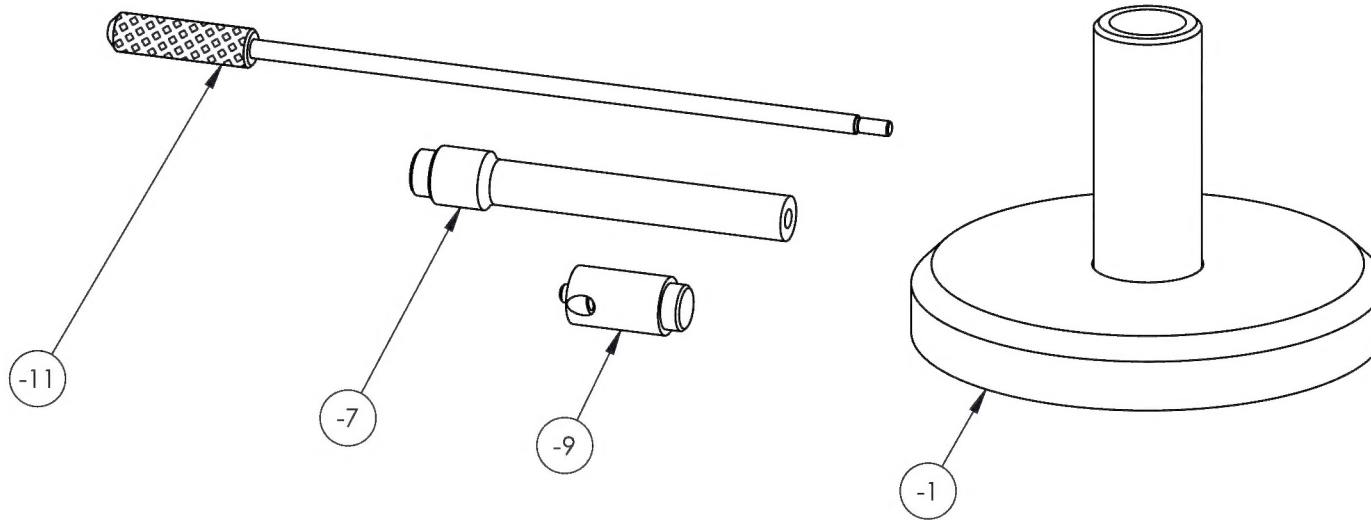


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION.	1/25/2016	DPD	JAG



NOTE:  
REF. EUROCOPTER T/N: 105-31729W1.

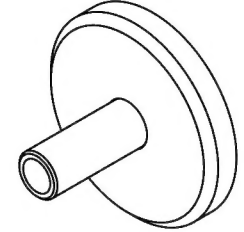
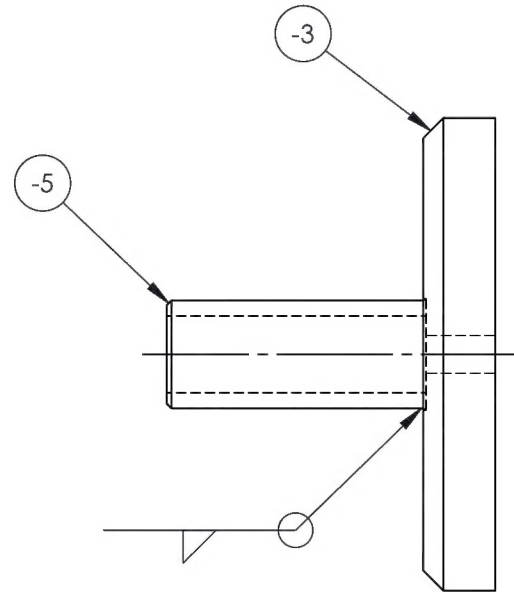
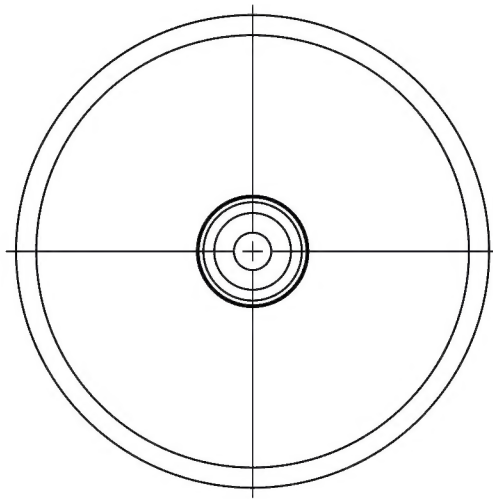


TITLE		PUSHING - OUT DEVICE	
DWG NO.	RBE105-31729W1		REV 1
MAT'L	UNLESS OTHERWISE SPECIFIED		
HEAT TREAT	DIMENSIONS ARE IN INCHES		
FINISH	.XXX ± .005 FRACTIONS ± 1/8		
SPEC	.XX ± .01 ANGLES ± .5°		
	.X ± .1 SURFACES = 125°		
DRAWN BY:	DUERFELDT		
CHECKED:	CLOUGH		
OPPS APPR:	ANDERSON		
QA APPR:	LINDSAY		
APPROVED:	GILBERT		
SCALE	1:2	DATE	1/18/2016
		SHEET 1 OF 9	

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
	X		-1	1	SUPPORT WELDMENT			2
	1		-3		SUPPORT PLATE	A36/1018/1020 HR		3
	1		-5		SUPPORT TUBE	STEEL TUBE		4
			-7	1	MANDREL	4140/4142 Q & T		5
			-9	1	DRIFT	4140/4142 Q & T		6
X			-11	1	STAY BAR WELDMENT			7
1			-13		STAY BAR ROD	A36/1018/1020 HR	Ø5mm (MCMASTER-CARR #8920K18) MODIFIED	8
1			-15		STAY BAR HANDLE	A36/1018/1020 HR		9
ASSY -11	ASSY -1							

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REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



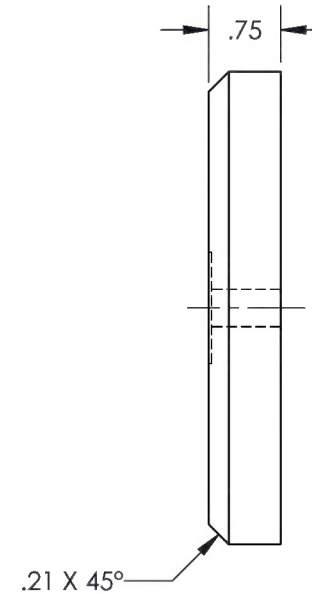
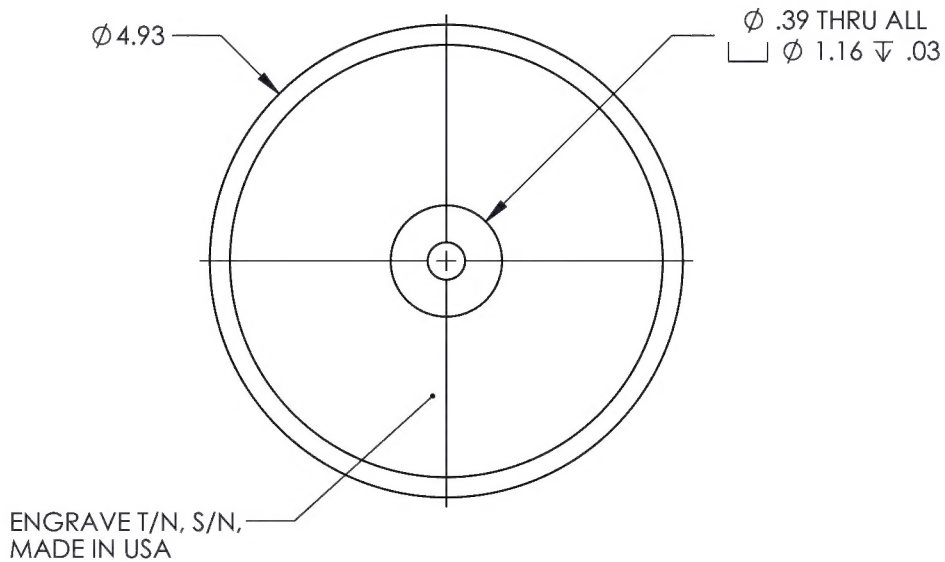
(-1)

SUPPORT WELDMENT

<b>DART AEROSPACE</b>	
TITLE <b>PUSHING - OUT DEVICE</b>	
DWG NO. <b>RBE105-31729W1-1</b>	REV <b>1</b>
MAT'L <b>ZINC PLATE</b>	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125°
SPEC <b>ASTM B633 TYPE I SC 2</b>	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
DRAWN BY: <b>DUERFELDT</b>	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
CHECKED: <b>CLOUGH</b>	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
OPPS APPR: <b>ANDERSON</b>	USED ON MODEL
QA APPR: <b>LINDSAY</b>	<b>EC145</b>
APPROVED: <b>GILBERT</b>	
SCALE <b>1:2</b>	DATE <b>1/18/2016</b>
SHEET 2 OF 9	

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REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



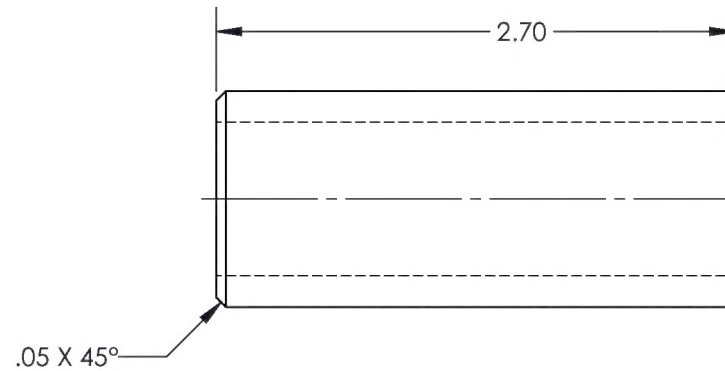
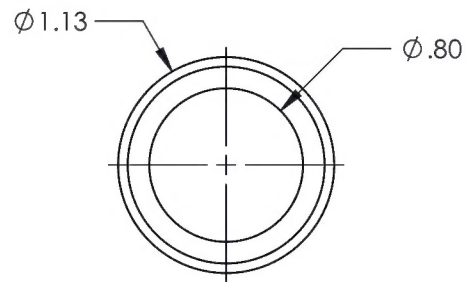
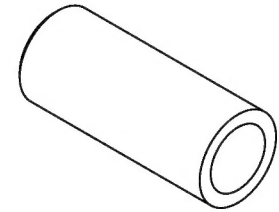
(-3)

SUPPORT PLATE

<b>DART</b> AEROSPACE	
TITLE <b>PUSHING - OUT DEVICE</b>	
DWG NO. <b>RBE105-31729W1-3</b>	REV <b>1</b>
MAT'L A36/1018/1020 HR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -1	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125°
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: CLOUGH	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	EC145
SCALE 1:2	DATE 1/18/2016
	SHEET 3 OF 9

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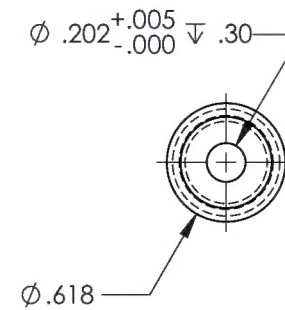
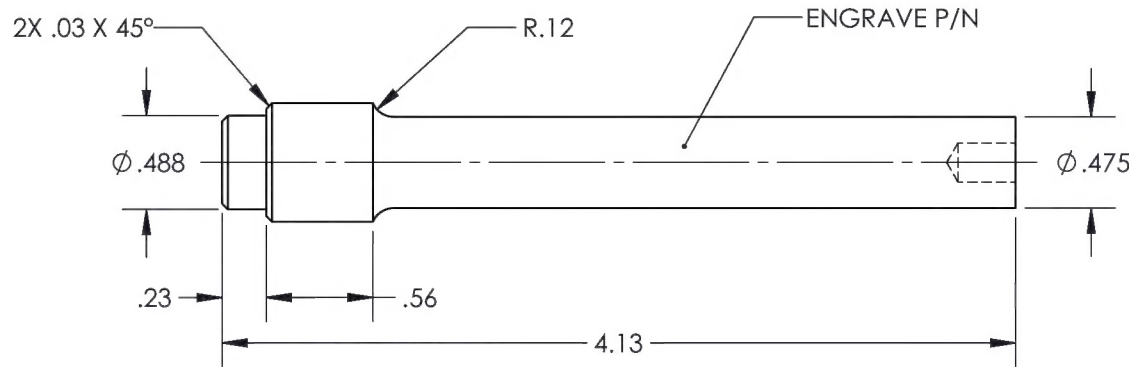
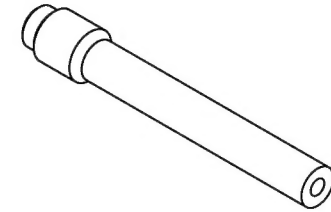
(5)

SUPPORT TUBE

<b>DART AEROSPACE</b>	
TITLE <b>PUSHING - OUT DEVICE</b>	
DWG NO. <b>RBE105-31729W1-5</b>	REV <b>1</b>
MAT'L STEEL TUBE	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -1	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125° ✓
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: CLOUGH	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE 1:1	DATE 1/18/2016
	SHEET 4 OF 9

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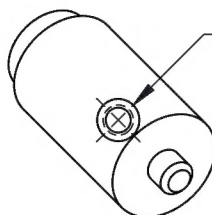
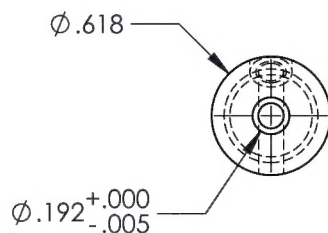
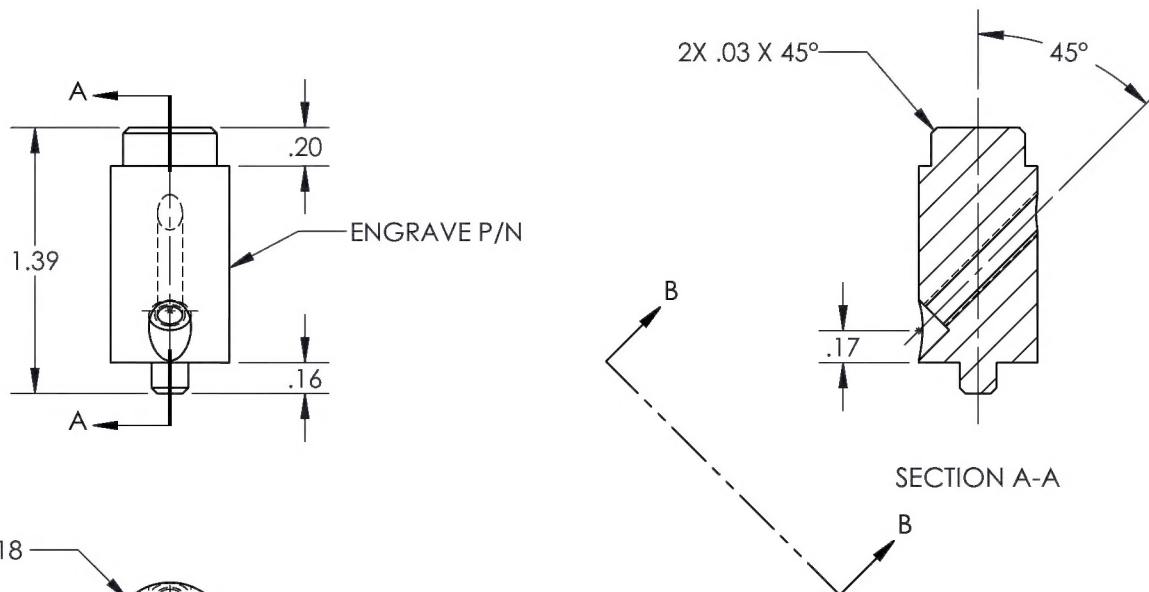
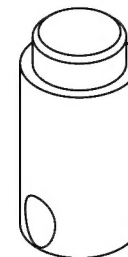
REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



(-7)  
MANDREL

<b>DART</b> AEROSPACE	
TITLE <b>PUSHING - OUT DEVICE</b>	
DWG NO. <b>RBE105-31729W1-7</b>	REV <b>1</b>
MAT'L 4140/4142 Q & T	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH ZINC PLATE	.XXX ± .005 FRACTIONS ± 1/8
SPEC ASTM B633 TYPE I SC 2	.XX ± .01 ANGLES ± 5°
DRAWN BY: DUERFELDT	.X ± .1 SURFACES = 125
CHECKED: CLOUGH	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: GILBERT	AFTER PLATING
SCALE 1:1	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 1/18/2016	USED ON MODEL
SHEET 5 OF 9	EC145

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED



- M4X0.7 - 6H THRU ALL  
 □  $\phi$  .22  $\nabla$  .23

VIEW B-B

(-9)

## DRIFT



TITLE
-------

## PUSHING - OUT DEVICE

DWG NO.	
---------	--

RBE105-31729W1-9

RE 1

MAT'L	4140/4142 Q & T
-------	-----------------

HEAT

TREAT	
FINISH	ZINC PLATE

SPEC	ASTM B633 TYPE I SC 2
------	-----------------------

DRAWN BY:	DUERFELDT
-----------	-----------

CHECKED:	CL OUGH
----------	---------

CHECKED:	CLOUGH
OPPS APPR:	ANDERSON

OFFS APPR:	ANDERSON
QA APPR:	LINDSAY

QA APPROV:	LINDSAY
APPROVED:	GILBERT

UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES  
TOLERANCES: FRACTIONS + 1/8

XX  $\pm$  .005      FRACTIONS  $\pm 1/8$   
X  $\pm$  .01      ANGLES  $\pm .5^\circ$   
1      SURFACES — 125/

± .1 SURFACES = 125  
BREAK ALL SHARP EDGES

BREAK ALL SHARP EDGES  
0.015 x 45° OR .015R

**DIMENSIONAL LIMITS APPLY  
AFTER PLATING**

**AFTER PLATING**  
**INTERPRET DIM AND TOL PER**  
**ASME Y14.5M-2009**

ASME Y14.5M-2009

USED ON MODEL  
EC145

SCALE

1.1

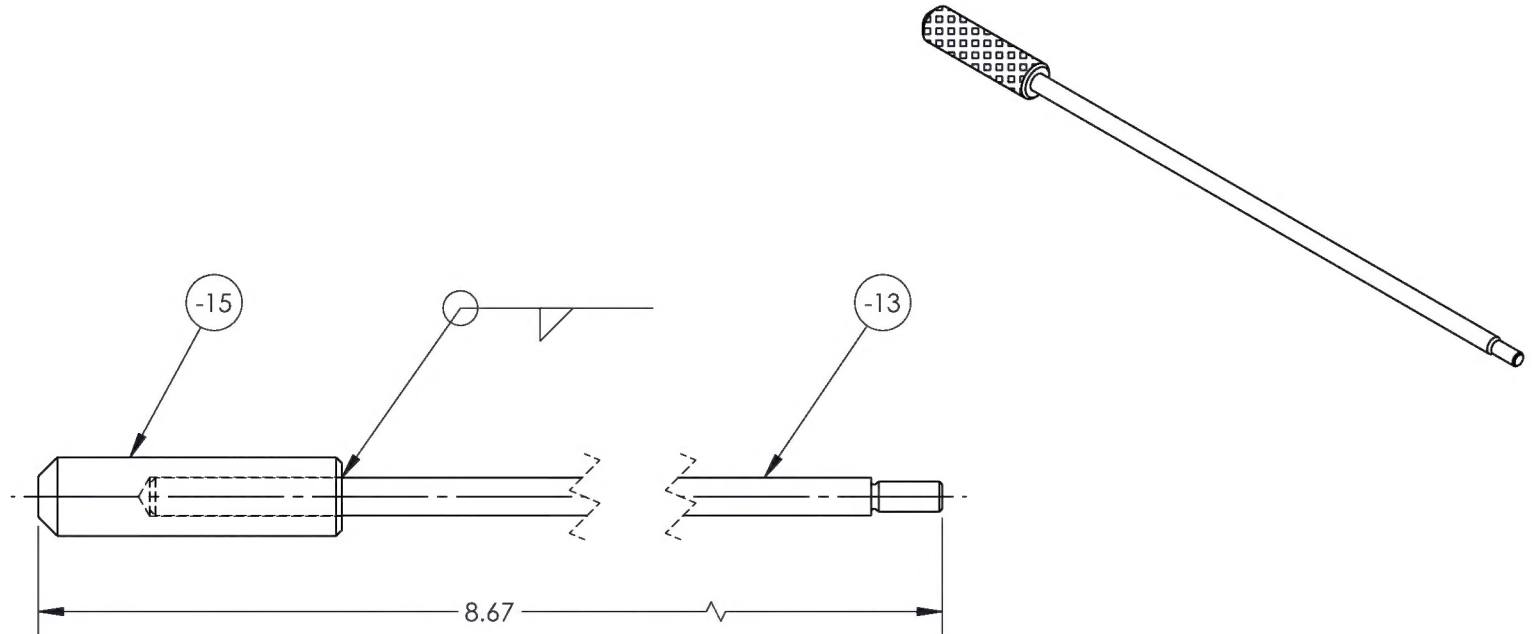
DATE
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1/18/2016

SHEET 6 OF 9

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				APPROVED



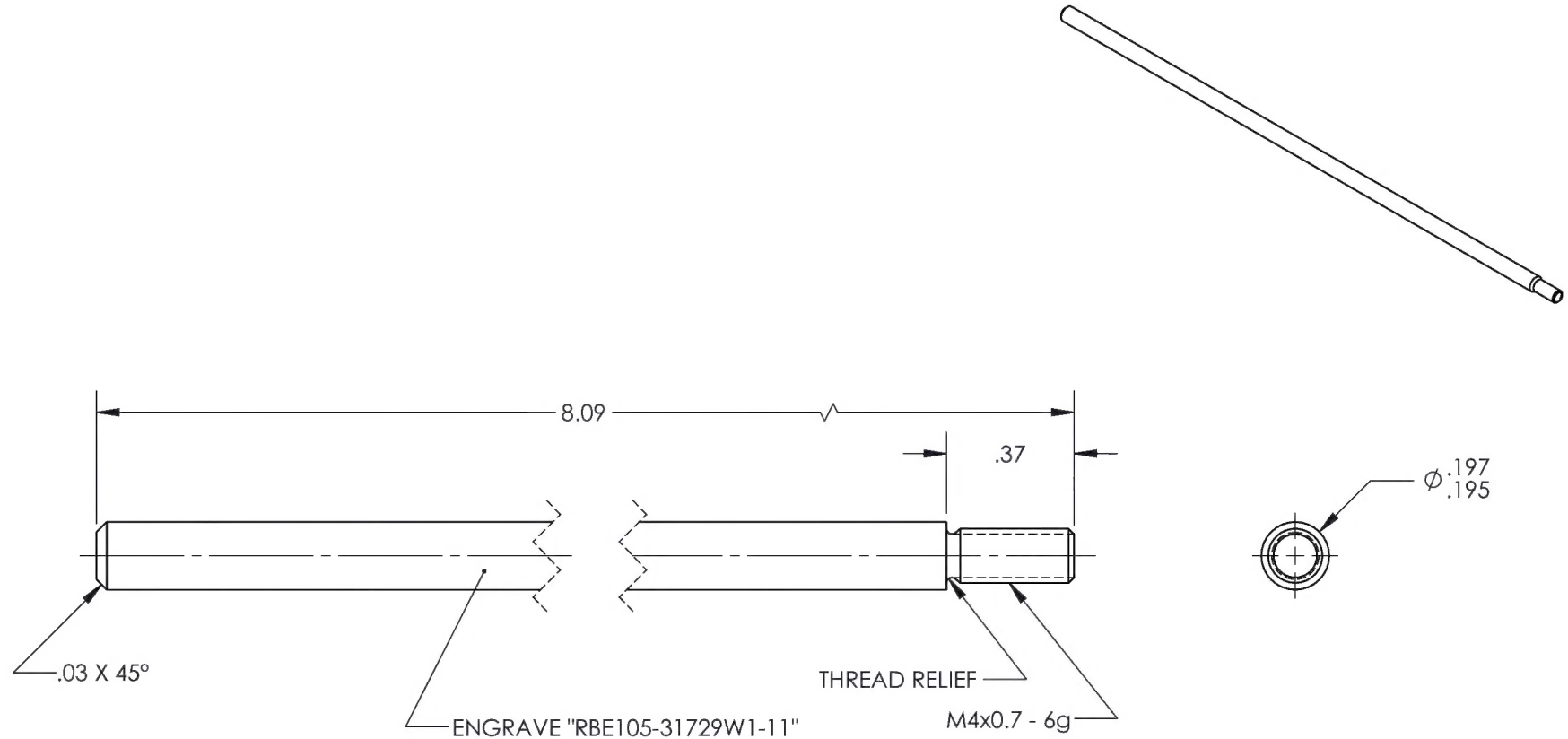
-11

STAY BAR WELDMENT

<b>DART</b> AEROSPACE	
TITLE <b>PUSHING - OUT DEVICE</b>	
DWG NO. <b>RBE105-31729W1-11</b>	REV <b>1</b>
MAT'L <b>ZINC PLATE</b>	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125°
SPEC <b>ASTM B633 TYPE I SC 2</b>	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
DRAWN BY: <b>DUERFELDT</b>	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
CHECKED: <b>CLOUGH</b>	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
OPPS APPR: <b>ANDERSON</b>	USED ON MODEL
QA APPR: <b>LINDSAY</b>	<b>EC145</b>
APPROVED: <b>GILBERT</b>	
SCALE <b>1:1</b>	DATE <b>1/18/2016</b>
SHEET 7 OF 9	

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				APPROVED



(13)

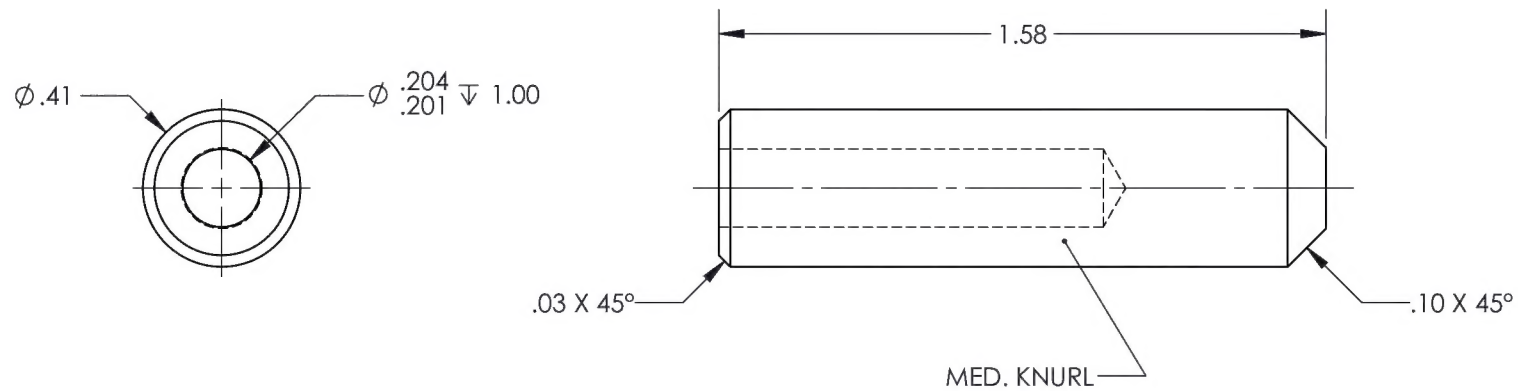
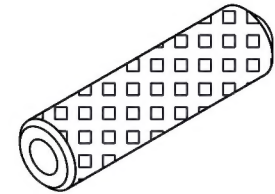
STAY BAR ROD

<b>DART AEROSPACE</b>	
TITLE <b>PUSHING - OUT DEVICE</b>	
DWG NO. <b>RBE105-31729W1-13</b>	REV <b>1</b>
MAT'L A36/1018/1020 HR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -11	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± 5°
DRAWN BY: DUERFELDT	.X ± .1 SURFACES = 125
CHECKED: CLOUGH	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: GILBERT	AFTER PLATING
SCALE 2:1	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 1/18/2016	USED ON MODEL
SHEET 8 OF 9	EC145



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(15)

STAY BAR HANDLE

<b>DART</b> AEROSPACE	
TITLE <b>PUSHING - OUT DEVICE</b>	
DWG NO. <b>RBE105-31729W1-15</b>	REV <b>1</b>
MAT'L A36/1018/1020 HR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -11	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125/✓
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: CLOUGH	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	EC145
SCALE 2:1	DATE 1/18/2016
	SHEET 9 OF 9